

## Message Text

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ORIGIN OES-06

INFO OCT-01 ARA-10 ISO-00 NSF-02 PM-04 COME-00 DODE-00  
/023 R

DRAFTED BY OES/OFA/MST:WERB:LJA  
APPROVED BY OES/OFA/MST:WERB  
ARA/AND CFULLER  
-----052022Z 082510 /47

R 051902Z JAN 77  
FM SECSTATE WASHDC  
TO AMEMBASSY LIMA

UNCLAS STATE 001751

E.O. 11652: N/A

TAGS: OCLR, TGEN, TPHY, PE

SUBJECT: R/V'S CAYUSE/COLUMBUS ISELIN/WECOMA CLEARANCE  
REQUESTS, 4 MARCH - 30 MAY 1977

1. THE SUBJECT RESEARCH VESSELS WILL BE CONDUCTING  
MARINE SCIENTIFIC RESEARCH OFF THE COAST OF PERU DURING  
THE PERIOD INDICATED AS PART OF THE COASTAL UPWELLING  
ECOSYSTEMS ANALYSIS PROJECT SPONSORED BY THE INTER-  
NATIONAL DECADE OF OCEAN EXPLORATION (IDOE) OF THE  
NATIONAL SCIENCE FOUNDATION (NSF). SINCE THE OBJECTIVES  
AND DESCRIPTION OF RESEARCH OF EACH SHIP IS IDENTICAL  
THIS IS BEING PRESENTED AS ONE CLEARANCE REQUEST.  
SPECIFIC INFORMATION ON VESSELS, PERSONNEL, AND  
ITINERARIES WILL BE PRESENTED SEPARATELY. THE  
STATION LOCATIONS ARE ALL IDENTICAL AND A LOCATION  
CHART WILL BE POUCHED.

2. THE OBJECTIVE OF THE RESEARCH IS TO ACHIEVE A  
PREDICTIVE UNDERSTANDING OF THE UPWELLING SYSTEM  
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OFF PERU SO THAT IMPORTANT FISHERIES THAT EXIST IN  
THE REGION CAN BE CONSERVED AND MANAGED BY PERU,  
CHILE AND ECUADOR. THE PROGRAM INCLUDES A COMPLETE  
SET OF WEATHER, CURRENT, HYDROGRAPHIC, CHEMICAL,  
BIOLOGICAL, AND FISHERIES OBSERVATIONS. THE OBSER-

VATIONS ARE PUT TOGETHER IN A SYSTEMS MODEL OF THE

UPWELLING ECOSYSTEM. DURING THE RESEARCH PERIOD THE NECESSARY ENVIRONMENTAL CONDITIONS WILL BE MONITORED AND THE MAJOR PHYSICAL AND BIOLOGICAL PROCESSES WILL BE EVALUATED.

3. DATA TO BE COLLECTED ARE WIND, WATER, TEMP, SALINITY, NITRATE, AMMONIA, PHOSPHATE, SILICATE, OXYGEN, CURRENTS, PHYTOPLANKTON, ZOOPLANKTON, FISH, AIRPLANE OBSERVATIONS OF WATER TEMPERATURE, SEAWATER COLOR, SATELLITE TEMPERATURE, BENTHIC BIOMASS, EKMAN ZONE CIRCULATION, INTERNAL WAVES, KINETIC ENZYMATIC TRANSFORMATIONS, CHELATION, TOXICITY, AND SEDIMENTS. INSTRUMENTS WILL INCLUDE MOORED CURRENT METERS, STD, UNATTENDED CYCLING VERTICAL CURRENT METERS, TOWED UNDERWAY PUMPING SYSTEM WITH TINICON AUTO-ANALYZER, HYDROGRAPHIC EQUIPMENT, SCINTILLATION COUNTER, SPECTROPHOTOMETER, GRAVITY CORER, VAN VEEN GRAB, AND SEDIMENT TRAPS.

4. SHIP INFORMATION FOLLOWS:

A. R/V CAYUSE IS A PRIVATE VESSEL OPERATED BY OREGON STATE UNIVERSITY. SHIP'S CAPTAIN IS R. A. LOSKOTA WITH A CREW OF 7 AND SCIENTIFIC PARTY OF 8. SHIP IS 165 GROSS TONS, 80 FT LONG, AND DRAFT OF 10 FT. RADIO CALL SIGN IS WS 5022 AND SHIP MONITORS EMERGENCY FREQUENCIES.

----1. CHIEF SCIENTISTS FOR VARIOUS LEGS ARE: LEG 1 - UNCLASSIFIED

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MERRITT STEVENSON, LEG 2 - OLE MATHISEN, LEG 3 - HAYDEE SANTANDER, LEG 4 - OLE MATHISON

----2. PORT CALLS: CALLAO 8-12 MARCH, SAN MARTIN 30 MARCH - 3 APRIL, CALLAO 14-17 APRIL, SAN MARTIN 28 APRIL - 3 MAY, CALLAO 18-23 MAY.

B. R/V COLUMBUS ISELIN IS A PRIVATE VESSEL OPERATED BY THE UNIVERSITY OF MIAMI. SHIP'S CAPTAIN IS SIDNEY HARTSHORNE WITH A CREW OF 12 AND SCIENTIFIC PARTY OF 13. SHIP IS 260 GROSS TONS, 170 FT LONG AND DRAFT OF 10 FT. RADIO CALL SIGN IS WZJ 5176 AND SHIP MONITORS EMERGENCY FREQUENCIES.

----1. CHIEF SCIENTISTS FOR VARIOUS LEGS ARE: LEG 1 - JOHN VAN LEER, LEG 2 - JANE HUYER, LEG 3 - KENNETH SMITH, LEG 4 - ROBERT SMITH.

----2. PORT CALLS: CALLAO 12-17 MARCH, SAN MARTIN

31 MARCH - 4 APRIL, CALLAO 25-29 APRIL, SAN MARTIN  
7-11 MAY, CALLAO 25-30 MAY.

C. R/V WECOMA IS A PRIVATE VESSEL OPERATED BY OREGON  
STATE UNIVERSITY. SHIP'S CAPTAIN IS HOWARD LINSE WITH  
A CREW OF 13 AND SCIENTIFIC PARTY OF 16. SHIP IS 289  
GROSS TONS, 177 FT LONG, AND 17.5 FT DRAFT. RADIO  
CALL SIGN IS KRSF AND SHIP MONITORS EMERGENCY FRE-  
QUENCIES.

----1. CHIEF SCIENTISTS FOR VARIOUS LEGS ARE: LEG 1 -  
RICHARD DUGDALE, LEG 2 - JOHN GOERING, LEG 3 -  
RICHARD BARBER.

----2. PORT CALLS: CALLAO 6-10 MARCH, SAN MARTIN  
11-12 MARCH, SAN MARTIN 31 MARCH - 4 APRIL, CALLAO  
24-28 APRIL, CALLAO 17-22 MAY.  
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5. ARRANGEMENTS FOR DATA EXCHANGE AND FOREIGN PARTICIPA-  
TION ARE BEING COORDINATED BY DAVID ENFIELD AT IMARPE  
WHO SHOULD BE CONTACTED IF FURTHER INFORMATION IS  
REQUIRED. LISTS OF PARTICIPANTS FOR ALL THREE SHIPS  
WILL BE POUCHED WITH STATION LOCATION CHART.

6. ACTION: EMBASSY IS REQUESTED TO OBTAIN CLEARANCE  
FOR R/V'S CAYUSE, COLUMBUS ISELIN, AND WECOMA TO  
CONDUCT MARINE SCIENTIFIC RESEARCH IN PERUVIAN TERRI-  
TORIAL WATERS AND ON THEIR CONTINENTAL SHELF DURING  
THE PERIOD 4 MARCH - 30 MAY 1977.  
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## Message Attributes

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**TAGS:** OCLR, TGEN, TPHY, PE  
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**Review Markings:**  
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